

Dkt. No.: OP-092000263

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraphs bridging from page 3, line 15 to page 4, lines 25 as follows.

—The heat sink 10 includes a plurality of fins 11 spaced with each other by a first gap. As shown, each of the fins 11 includes a rectangular shape extending vertically. In this embodiment, each of the outermost fins 11 is cut into two rectangular members spaced with each other by a second gap, and the inner surface of each rectangular member is further processed to form an upper inner surface and a lower inner surface protruding from the upper inner surface. The lower inner surface has a top edge 12 gradually descending from the second gap between the rectangular members.

The fastening structure [[30]] includes a pair of locking members 30 to hold or secure the heat sink at two outermost fins 11. As shown in Figure 1, each locking member 30 comprises a horizontal plate, a vertical plate extending perpendicularly from one end of the horizontal plate. Extending from two sides of the horizontal plate include a pair of arms each terminating with a hook 32. To secure the locking member 30 to a motherboard 20 on which a heat generating device 21 is formed, a pair of loops 23 eageageable with the hooks 32 is mounted on the motherboard 20.

The vertical plate of each locking member 30 includes a substantially rectangular central portion and a pair of wings 31 extending from two lateral opposing sides of the rectangular central portion, and a pair of resilient flaps 34 extending from top edge of the wings 31. As shown, the rectangular central portion and the wings 31 are substantially planar, while the resilient flaps 34 are slightly inclined towards horizontal plate. The lower edges of the wings 31 gradually descend from the central portion.

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To hold the heat sink 10, the horizontal plates of the locking members 30 are inserted into the space between the outermost fins 11 and the fin 11 next to the outermost fins 11. When the lower edges 31 of the locking members 30 are inserted above the protruding edges 12, the slightly bending resilient flaps 34 exerts a force against the upper inner surfaces of the outermost fins 11, while the protruding edges 12 block the wings 31 to slide or move downwardly. Thereby, the locking members 30 of the fastening structure [[30]] are engaged with the heat sink 10. By engaging the hooks 32 with the loops 23, the heat sink 10 engaged with the fastening structure [[30]] is then secured to the motherboard 20 on the heat generating device 21.

The horizontal plate of each block member may further comprises a through hole 33. Therefore, the locking members 30 can be further secured to the motherboard 20 by fasteners 40 and 41 as shown in Figures 5 and 6.

Figure 7 shows another embodiment of the arms extending from two sides of the horizontal plates of the locking members 30. As shown, the sides of each horizontal plate are terminated with a hinge, and the proximal ends of the arms 42 are engaged with the hinges such that the arms 42 can be turned about the hinges. Similarly to the above embodiment, the distal ends of the arms 42 are terminated with the hooks engageable with the loops 23 mounted to the motherboard 20.—

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